

Title (en)
SOLID OXIDE FUEL CELL INTERCONNECT CELLS

Title (de)
VERBINDUNGSZELLEN FÜR FESTOXIDBRENNSTOFFZELLE

Title (fr)
CELLULES D'INTERCONNEXION DE PILES À COMBUSTIBLE À BASE D'OXYDE SOLIDE

Publication
EP 2780968 A4 20150729 (EN)

Application
EP 12850133 A 20121114

Priority
• US 201161560177 P 20111115
• US 2012065053 W 20121114

Abstract (en)
[origin: WO2013074656A1] A bonding layer, disposed between an interconnect layer and an electrode layer of a solid oxide fuel cell article, may be formed from a yttria stabilized zirconia (YSZ) powder having a monomodal particle size distribution (PSD) with a d50 that is greater than about 1 µm and a d90 that is greater than about 2 µm.

IPC 8 full level
H01M 8/12 (2006.01); **C04B 35/486** (2006.01); **H01M 8/02** (2006.01)

CPC (source: EP US)
C04B 35/486 (2013.01 - EP US); **C04B 35/488** (2013.01 - EP US); **H01M 4/9033** (2013.01 - US); **H01M 4/905** (2013.01 - US); **H01M 4/9066** (2013.01 - US); **H01M 8/0217** (2013.01 - EP US); **H01M 8/0228** (2013.01 - EP US); **H01M 8/0236** (2013.01 - EP US); **H01M 8/12** (2013.01 - US); **H01M 8/2404** (2016.02 - EP US); **H01M 8/2432** (2016.02 - EP); **H01M 8/2435** (2013.01 - US); **C04B 2235/3213** (2013.01 - EP US); **C04B 2235/3227** (2013.01 - EP US); **C04B 2235/3246** (2013.01 - EP US); **C04B 2235/3268** (2013.01 - EP US); **C04B 2235/5409** (2013.01 - EP US); **C04B 2235/5436** (2013.01 - EP US); **C04B 2235/5445** (2013.01 - EP US); **C04B 2235/5472** (2013.01 - EP US); **C04B 2235/5481** (2013.01 - EP US); **H01M 8/1004** (2013.01 - US); **H01M 8/1213** (2013.01 - US); **H01M 2008/1293** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP)

Citation (search report)
• [X] US 2010159356 A1 20100624 - MAHONEY F MICHAEL [US]
• [I] EP 1562244 A1 20050810 - NIPPON CATALYTIC CHEM IND [JP]
• [A] WO 2010078359 A2 20100708 - SAINT GOBAIN CERAMICS [US], et al
• See references of WO 2013074656A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2013074656 A1 20130523; EP 2780968 A1 20140924; EP 2780968 A4 20150729; JP 2014535155 A 20141225; JP 5957534 B2 20160727; KR 20140088899 A 20140711; US 2013137014 A1 20130530; US 2015079494 A1 20150319; US 8921007 B2 20141230

DOCDB simple family (application)
US 2012065053 W 20121114; EP 12850133 A 20121114; JP 2014541418 A 20121114; KR 20147015062 A 20121114; US 201213676838 A 20121114; US 201414551343 A 20141124